

Threats to Transportation Infrastructure

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Threats to Transportation Infrastructure

- Transportation infrastructure is a vital target in asymmetrical warfare
- Between January 1, 1968 and January 1, 2006 there were 988 incidents targeting transportation (air, rail, water, and surface) that were committed by 95 different terrorist groups (Source: Terrorism Knowledge Base Web Site)
- Proliferation of terrorist attacks on surface transportation nodes in Iraq and Afghanistan
- *GWOT* is testing ground for Al-Qaeda and other groups

Threats to Transportation Infrastructure

- April 12, 2007 – Sarafiyah Bridge over the Tigris River in Iraq
Suicide bomber with VBIED



Photo Courtesy: U.S. Army

- April 14, 2007 – Jadriyah Bridge in Baghdad, Iraq
Suicide bomber with VBIED



Photo Courtesy: U.S. Army

Threats to Transportation Infrastructure

- June 10, 2007 – Bridge linking the Iraqi villages of Qariya al-Asiryah and Rashayed in northern Baiji province
3 U.S. servicemen KIA and 6 WIA
Suicide bomber with VBIED



Photo Courtesy: USA Today

- June 11, 2007 – Bridge over the Diyala River in Baqouba, Iraq
Suicide bomber with VBIED



Photo Courtesy: USA Today

Threats to Transportation Infrastructure

- February 27, 2004 – Superferry 14
Central Philippines
116 people killed
6 terrorists with an IED



Photo Courtesy: British Broadcasting System

- March 11, 2004 – Cercenias
Commuter Train
Madrid, Spain
191 people killed – 2,050 injured
6 terrorists with IED's



Photo Courtesy: British Broadcasting System

Threats to Transportation Infrastructure

- July 7, 2005 – 3 Subway trains and 1 transit bus
London, U.K.
52 people killed – 700+ injured
4 terrorists with IED's



Photo Courtesy: CNN

- July 11, 2006 – 7 Commuter trains
Mumbai, India
209 people killed – 700+ injured
16 terrorists with IED's



Photo Courtesy: CNN

Threats to Transportation Infrastructure

Potential Surveillance Activities

- August 24, 2004 – Chesapeake Bay Bridge
Baltimore County, Maryland
Ismail Selim Elbarasse, “a high ranking
 Hamas operative”, his wife and three
 daughters videotaping critical components



Photo Courtesy: The Baltimore Sun

- June 8, 2004 – Monitor-Merrimac
Memorial Bridge-Tunnel
Newport News, Virginia
3 males appearing to be of Middle
Eastern descent videotaping bridge-
tunnel structural components



Photo Courtesy: VDOT

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Terrorist Activity in the Commonwealth

- January 25, 1983 – CIA Headquarters Langley - Mir Aimal Kasi with AK-47 Kills 2 and Wounds 3
- September 11, 2001 – The Pentagon Arlington - 5 hijackers crash American Airlines Flight 77 Kill 184 and Wound 100's
- June 2003 – Falls Church - 11 members of Lashkar-e-Taiba arrested for numerous charges involving terrorism related conspiracy



Photo Courtesy: FBI

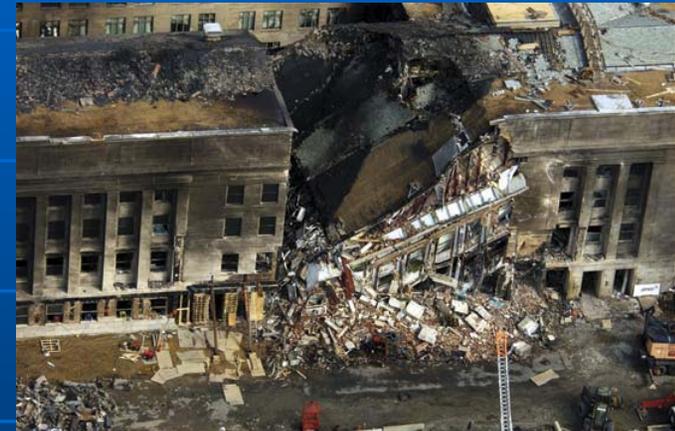


Photo Courtesy: U.S. Air Force



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Terrorist Activity in the Commonwealth

- November 23, 2005 – Alexandria
Ahmed Omar Abu Ali (of Falls Church)
convicted of plotting to assassinate
President Bush



Photo Courtesy: ABC News

Threats to Transportation Infrastructure

Potential Targets in the Commonwealth

- Bridges



- Tunnels



Photos Courtesy: VDOT

Threats to Transportation Infrastructure

Potential Targets in the Commonwealth

- Highway Structures



Photo Courtesy: VDOT

- Ferries



Photo Courtesy: Google

Threats to Transportation Infrastructure

Potential Targets in the Commonwealth

- Traffic Management Centers



Photo Courtesy: VDOT

- Railway & Structures



Photo Courtesy: VRE

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Potential Targets in the Commonwealth

- Port Facilities



Photo Courtesy: Virginia Port Authority

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Threats

ATF	VEHICLE DESCRIPTION	MAXIMUM EXPLOSIVES CAPACITY	LETHAL AIR BLAST RANGE	MINIMUM EVACUATION DISTANCE	FALLING GLASS HAZARD
	COMPACT SEDAN	500 Pounds 227 Kilos <i>(In Trunk)</i>	100 Feet 30 Meters	1,500 Feet 457 Meters	1,250 Feet 381 Meters
	FULL SIZE SEDAN	1,000 Pounds 455 Kilos <i>(In Trunk)</i>	125 Feet 38 Meters	1,750 Feet 534 Meters	1,750 Feet 534 Meters
	PASSENGER VAN OR CARGO VAN	4,000 Pounds 1,818 Kilos	200 Feet 61 Meters	2,750 Feet 838 Meters	2,750 Feet 838 Meters
	SMALL BOX VAN <i>(14 FT BOX)</i>	10,000 Pounds 4,545 Kilos	300 Feet 91 Meters	3,750 Feet 1,143 Meters	3,750 Feet 1,143 Meters
	BOX VAN OR WATER/FUEL TRUCK	30,000 Pounds 13,636 Kilos	450 Feet 137 Meters	6,500 Feet 1,982 Meters	6,500 Feet 1,982 Meters
	SEMI-TRAILER	60,000 Pounds 27,273 Kilos	600 Feet 183 Meters	7,000 Feet 2,134 Meters	7,000 Feet 2,134 Meters

Courtesy: BATF